

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) A process for labeling biomolecules bearing free reactive groups with a label compound which reacts to form a covalent bond, ~~characterized in that~~comprising feeding solutions of both compounds ~~are fed~~ in defined quantitative flow rates to a micromixer, ~~preferably a static micromixer, and mixed~~mixing intensively there, then optionally feeding the reaction mixture ~~is optionally fed~~ into a delay structure, and ~~remains~~retaining there for a time predetermined by the volume of the delay structure and the flow rate of the reaction mixture, and terminating the reaction ~~is terminated~~ after a time predefined by the reaction conditions.
2. (Currently Amended) The process as claimed in claim 1, ~~characterized in that~~wherein the free reactive groups are amino, thiol, alcohol, aldehyde/ketone and/or carboxylic acid groups.
3. (Currently Amended) The process according to claims 1 ~~and/or 2~~, ~~characterized in that~~wherein the biomolecules are proteins, nucleic acids and/or saccharides.
4. (Currently Amended) The process ~~as claimed in one or more of~~according to claims 1 to 3, ~~characterized in that~~wherein the micromixer is a micromixer with channel widths of less than 100  $\mu\text{m}$  ~~is used~~.
5. (Currently Amended) The process ~~as claimed in one or more of~~according to claims 1 to 4, ~~characterized in that~~wherein the micromixer ~~used~~ is a multilamination mixer or a split and recombine mixer.
6. (Currently Amended) The process ~~as claimed in one or more of~~according to claims 1 to 5, ~~characterized in that~~wherein the delay structure ~~used~~ is a capillary of predefined volume or another volume with uniform flow or an arrangement with uniform flow.

7. (Currently Amended) The process ~~as claimed in one or more of~~according to claims 1 to 6, ~~characterized in that~~wherein the reaction mixture is pumped in circulation in the delay structure used, a micromixer optionally being inserted into the circuit.
8. (Currently Amended) An apparatus for performing the process ~~as claimed in one or more of~~according to claims 1 to 7.